Theoretical Computer Science
Algorithms, automata, complexity and games

Volume 225, Numbers 1–2, 28 August 1999

Abstracted/Indexed in: ACM Computing Reviews, Compuscience, Computer Abstracts, Current Contents: Engineering, Technology & Applied Science, Engineering Index/Compendex, INSPEC Information Services, Mathematical Reviews, Zentralblatt für Mathematik

Contents

Fundamental Studies

M. Pelletier and J. Sakarovitch
On the representation of finite deterministic 2-tape automata 1

P. Crescenzi and L. Trevisan
Max NP-completeness made easy 65

Contributions

Z. Róka
Simulations between cellular automata on Cayley graphs 81

A.E.F. Clementi and L. Trevisan
Improved non-approximability results for minimum vertex cover with density constraints 113

W.-F. Chuan
Sturmian morphisms and α-words 129

I. Hakala and J. Kortelainen
On the system of word equations $x_0u_1^ix_1u_2^ix_2u_3^ix_3 = y_0v_1^iy_1v_2^iy_2v_3^iy_3$ $(i = 0, 1, 2, \ldots)$ in a free monoid 149

Notes

P.-K. Wong
Optimal path cover problem on block graphs 163

J.M. Basart and P. Guitart
A solution for the coloured cubes problem 171

M. Göbel
The "smallest" ring of polynomial invariants of a permutation group which has no finite SAGBI bases w.r.t. any admissible order 177

J.H. Lutz and D.L. Schweizer
Feasible reductions to Kolmogorov–Loveland stochastic sequences 185

Contents EATCS Bulletin Number 68 195

Author index volume 225 199